Curriculum Vitae

Kate A. Corbett

Education

Bachelor of Science Degree, CHEMISTRY May 2003
MERRIMACK COLLEGE
Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative
Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

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Employment

Chemist II State Laboratory Institute (March 2008-Present)
Massachusetts Department of Public Health
Drug Analysis Laboratory
➢ Responsible for the identification of substance and trafficking substances to determine violation of the Massachusetts drug laws
➢ Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
➢ Operate analytical instrumentation, microscopes and balances for forensic drug analysis

Chemist I State Laboratory Institute (2005-March 2008)
Massachusetts Department of Public Health
Drug Analysis Laboratory
➢ Responsible for the identification of substance to determine violation of the Massachusetts drug laws
➢ Operate analytical instrumentation for the purpose of performing forensic drug analysis
➢ Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
➢ Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

Research Associate (September 2003 – August 2005)
SENSOR TECHNOLOGIES, INC - Shrewsbury, MA
➢ Prepared chemistries used in making sensor beads
➢ Generated and examined sensors employing fluorescence spectroscopy
➢ Performed protein, dye and sugar assays using UV/VIS spectrophotometry
➢ Carried out titrations on ricin using fluorescence correlation spectroscopy
➢ Statistical analysis of experimental data

Intern (March 2003 – August 2003)
MASSACHUSETTS STATE POLICE CRIME LABORATORY - Sudbury, MA
➢ Assisted in the gathering of case files to fulfill the National Institute of

Justice's No Suspect Backlog Reduction Grant

➤ Observed in the Evidence, Criminalistics, DNA, Drug, Trace, Toxicology, and Bomb/Arson Units